

The Main Working Principles of a New Type of  
Rectifying Column (Podbielniak's System), by  
S. N. Obryadnikoff, V. S. Yablonskiy, 30 pp.

RUSSIAN, par, Naft Khim, No 6, 1956, pp 37-44.

ABC 100KR-2224

Sci  
May 61

151,157

Catalytic Aromatization of Petroleum Hydrocarbons  
Under Pressure, by N.A. Butkov, E.I. Ravinovich,  
et al. 8 pp.  
RUSSIAN, per, Neftyanoe Khozyaistvo, Vol 17, No 6,  
1936, pp 48-54.  
SLA TT-61-18079

Sci/Chemistry  
Jul 66

305,984

The Moscow Petroleum Supply in the General Plan  
of the City's Reconstruction, by G. S. Kolesnikov,  
16 pp. UNCLASSIFIED

RUSSIAN, per, Neftyanaya Khozyaystvo, No 7,  
1936, pp 15-20, Encl to IR-261-55, AFOIN-1A1,  
5 Apr 1955. CIA D 208986

AF 659721

24,911

USSR  
Economic -

CTS 69/Jun 55

Kaikin, M. O.  
DEWAXING OF SURAKHANY LUBRICATING OILS  
WITH SELECTIVE SOLVENTS. [1961] 5p  
Order from OTS, SLA, or ETC \$1.10 TT-61-16604

Condensed trans. of Neftyanoe Khozyalstvo (USSR)  
1936 [v. 17] no. 10, p. 60-63.

DESCRIPTORS: \*Oils, \*Lubricants, Waxes,  
Separation, Solvents.

(Materials--Lubricants, TT, v. 11, no. 3)

TT-61-16604

I. Kaikin, M. O.

Office of Technical Services

Laboratory Method of Determination of the Stability  
of Aviation Oils, by D. Ya. Kolomatskiy,  
L. I. Stepantsov. 5 pp.

RUSSIAN, per, Neftyanoe Khozyaistvo, Vol 17, No 10  
1936, pp 70-71.

OTS TT 61-18021

Sci/Propulsions & Fuels

Jun 67

327,700

Butkov, N. A. and Kolpenskaya, T. P.  
PREPARATION OF AVIATION OILS BY HYDROGENA-  
TION. [1961] 9p  
Order from OTS, SLA, or ETC \$1.10 TT-61-16603

Trans. of Neftyanoe Khozaystvo (USSR) 1936  
[v. 17] no. 11, p. 28-34.

DESCRIPTORS: \*Airplane engine oils, Hydrogenation,  
Airplane engines, \*Lubrication, Viscosity.

(Materials--Lubricants, TT, v. 11, no. 3)

TT-61-16603

I. Butkov, N. A.  
II. Kolpenskaya, T. P.

Office of Technical Services

Cracking of Ishimbaevo Mazut, by  
I. D. Graner, E. V. Evstaf'eva.  
RUSSIAN, per, Neftyanoe Khozyaistvo,  
Vol XVII, No 12, 1936, pp 25-26.  
CFSTI TT 61-18092

327,276

Jun 67

Preparation of Fuel for the 1937 Sowing Campaign, by  
L. M. Muratov, Moskva, 11 pp. UNCLASSIFIED

RUSSIAN, per, ~~the~~ Neftyanone Khozyaystvo, No 3, 1937,  
IP 6-10.

AP 637134

USSR  
Economic-Agriculture

Scientific - Fuels

Nov 54 CTS/DEX

20,079

The Approximate Yields Obtained by Cracking  
and Reforming the Principal Crudes of the  
Soviet Union, by I. M. Klyatskin, 4 pp.  
UNCLASSIFIED

RUSSIAN, per, Neft Khoz, No 9, 1937, pp 66-68,  
Encl to AFOIN-1A1, Report No IR-193-55, 25 Feb  
1955. CIA D 181355

AF 654426

24,270

USSR

Economic -

gasoline,

petroleum

Jun 55 CTS/DEK

Two-Step Cracking of a Wide Fraction of Ishimbaevo  
Oil, by S.N. Obryadchikov, G. Zubchenko. 7 pp.  
RUSSIAN, per, Neftyanoe Khozyaistvo, Vol 17, No 12,  
1936, pp 27-29.  
SLA TT-61-16988

Sci/Chemistry  
Jul 66

305,994

Kholodov, S. A. and Burdov, D. M.  
SOLVENT REFINING OF RESIDUAL OILS. [1961]  
11p 14refs  
Order from OTS, SLA, or ETC \$1.60 TT-61-16605

Condensed trans. of *Neftyanoe Khozaystvo* (USSR)  
1937 [v. 18] no. 10, p. 49-59.

DESCRIPTORS: \*Lubricants, \*Oils, \*Solvent  
extraction, Solvents, Distillation.

(Materials--Lubricants, TT, v. 11, no. 3)

TT-61-16605

I. Kholodov, S. A.  
II. Burdov, D. M.

Office of Technical Services

Isagulyants, V. I. and Bagryantseva, P. P.  
ALKYLATION OF PHENOLS (Ob Alkilirovani<sup>ii</sup> Fenolov).  
[1963] 16p 20refs  
Order from OTS, SLA, or ETC \$1.60 TT-63-20777

Trans. of Neftyanoe Khozyaistvo (USSR) 1938 [v. 19]  
no. 2, p. 36-41.

DESCRIPTORS: \*Phenols, \*Alkylation, Butyl radicals,  
Butanols, Butenes, Condensation reactions, \*Catalysts,  
Zinc compounds, Aluminum compounds, Chlorides.

(Chemistry--Organic, TT, v. 11, no. 4)

TT-63-20777

I. Title: p-tert-Butyl phenol  
I. Isagulyants, V. I.  
II. Bagryantseva, P. P.

Office of Technical Services

Corrosion by Hydrogen Sulfide at High Temperatures,  
by P. F. Mikhalev, S. I. Vol'fson, 12 pp.

RUSSIAN, per, Neft Khoz, Vol XIX, No 7, 1938,  
pp 26-30.

Scientific - Chemistry

May 56 CTS/dex

Sci Tr Ctr RT-3454

OTS 62-14430

34,872

Plyusnin, V. G., Nikonova, E. A., and  
Spasskii, S. S.  
HYDROGEN SULFIDE FROM ISHIMBAEVO OIL.  
[1961] 6p. 4 refs.  
Order from OTS or SLA \$1.10

61-18064

Trans. of Neftyanoe Khozyaistvo (USSR) 1939, v. 20,  
no. 2, p. 46-49.

DESCRIPTORS: Hydrogen compounds, Sulfides,  
Petroleum industry, Oils.

(Unannounced)

61-18064

I. Plyusnin, V. G.  
II. Nikonova, E. A.  
III. Spasskii, S. S.

Office of Technical Services

Semenko, E. G.  
HIGH QUALITY WINTER OILS. [1962] 5p 7refs  
Order from OTS or SLA \$1.10 62-14113

Abstract trans. of Neftynano [Khozvaystvy] (USSR)  
1940, v. 21, no. 6(II) p. 60-66.  
Also available from OTS or SLA \$1.60 in 61-20784  
[1961] 13p.

DESCRIPTORS: \*Airplane engine oils, \*Low-temper-  
ature lubricants, Viscosity, Wear resistance,  
Lubricant additives.

(Materials--Lubricants, TT, v. 10, no. 10)

62-14113

I. Semenko, E. G.

Office of Technical Services

Papok, K. K. and Kogteva, K. I.  
OILINESS OF AVIATION OILS. [1962] 13p.  
Order from OTS or SLA \$1.10 62-14114

Trans. of Neftyanoe [Khozyaistvo] (USSR) 1940, v. 21,  
no. 6 (11) p. 67-69.

DESCRIPTORS: \*Lubrication, \*Oils, \*Airplane  
engine oils, Friction. Reduction.

Acid treated and clay contacted aviation oils have  
lubricating properties superior to solvent refined oils.  
Addition of 0.5-1.0% floridin, i.e., thermally treated  
castor oil, to mineral oils improves the lubricating  
properties of mineral oils and reduces the coefficient  
of static friction of acid-treated and contacted oils  
by 14.5% and of solvent refined oils by 22%. (Author)

(Materials--Lubricants, TT, v. 8, no. 3)

62-14114

I. Papok, K. K.  
II. Kogteva, K. I.

Office of Technical Services

Getling, V. A., Sosnina, A. S., and Stepantsov, L. L.  
REFINING OF DUBROVAI CRACKED GASOLINE BY  
HYDROGENATION. [1961] 5p. 5 refs.  
Order from OTS or SLA \$1.10 61-16824

Trans. of Naftyanoe Khozjalstvo (USSR) 1940 [v. 21]  
no. 1, p. 19-21.

DESCRIPTORS: \*Gasoline, Processing, Hydrogenation,  
Molybdenum compounds, Sulfides, Catalysis.

Experiments are reported on refining Dubrovai cracked  
gasoline by hydrogenation in a continuous unit over molyb-  
denum sulfide as a catalyst. Satisfactory hydrogenation  
takes place at 400°, a pressure of 50 atm, rate of flow  
of the charge 150 to 175 cc/hour and rate of supply of  
hydrogen of 90 to 100 liters/hour. The average yield of  
hydrogenated gasoline is 100% by volume. The consump-  
tion of hydrogen amounts to about 0.35%. (Author)

(Engineering--Chemical, TT, v. 6, no. 8)

61-16824

I. Getling, V. A.  
II. Sosnina, A. S.  
III. Stepantsov, L. L.

185111

Office of Technical Services

Gerasimov, M. M. and Glushnev, V. E.  
REFINING AND DESULFURIZATION OF STRAIGHT  
RUN AND CRACKED GASOLINES WITH PHOSPHORIC  
ACID. [1961] 6p. 1 ref.  
Order from OTS or SLA \$1.10 61-18019

Trans. of Neftyanoe Khozyalstvo (USSR) 1940, v. 21,  
no. 1, p. 22-25.

DESCRIPTORS: \*Gasoline, Processing, Purification,  
\*Sulfur, Separation, \*Phosphoric acids, Catalysis,  
Chemical reactions.

Phosphoric acid is a good catalyst for refining cracked  
gasolines. As a rule, the octane number of gasolines  
after the treatment rises several units. The suscepti-  
bility of gasoline to TEL is also increased. The octane  
numbers of phosphoric acid-treated gasolines are  
(Engineering--Chemical, TT, v. 6, no. 8) (over)

61-18019

1. Title: Desulfurization
- I. Gerasimov, M. M.
- II. Glushnev, V. E.

185131

Office of Technical Services

Combined Refining of Pyrolyzed Oil Distillates  
(With Zinc Chloride and Sulfuric Acid), by K. A.  
Musatov.

RUSSIAN, per, Neft Khoz, Vol XXI, No 1, 1940,  
pp 25-29.

OTS 61-18018

Sci  
Mar 62

189,562

Vol VII, No 2

Vapor Phase Desulfurization With Sulfuric Acid,  
by K. A. Musatov, S. S. Nifontova.

RUSSIAN, per, Neft Khoz, Vol XXI, No 3, 1940,  
pp 28-32.

OTS 61-16869

Sci

Mar 62

*189,563*

Vol VII, No 2

(FDD 18066)

Devonian Petroleum in the Vicinity of the Kama  
River, by V. Ye. Moseyev, 16 pp.

RUSSIAN, no per, Neft Khoz, No 1, Moscow, Jan 1946,  
pp 7-12.

CIA/FDD/U-5185

USSR  
Economic - Petroleum  
CTS/DEX

8798

Borisov, P. P., Eventova, M. S. and others.  
INCREASING THE OCTANE NUMBER OF GROZNY  
GASOLINE. [1961] 5p. 4 refs.  
Order from OTS or SLA \$1.10 61-20153

Trans. of Neftyanoe Khozayaistvo (USSR) 1946 [v. 24]  
no. 1, p. 60-62.

DESCRIPTORS: \*Gasoline, \*Octanes, Isomeric tran-  
sitions, Bleaching agents, Aluminum compounds,  
Hydrogen compounds, Chlorides, Aluminum,  
Chromium, Catalysts, Catalysis, Tests.

Experiments are reported showing that normal octane  
is readily isomerized with Zikeev bleaching earth  
promoted with unspecified metal oxides and that  
normal heptane is similarly isomerized by aluminum  
chloride-hydrogen chloride. Isoparaffins and aro-  
(Chemistry--Organic, TT, v. 7, no. 5) (over)

61-20153

I. Borisov, P. P.  
II. Eventova, M. S.

Office of Technical Services

(FDD 18067)

Geological Characteristics of the Zol'nyy Ravine  
Petroleum Deposit, by S. H. Shan'gin, I. S. Kvikidze,  
11 pp. ~~HEX~~

RUSSIAN, no per. Neft Khoz, No 2, Feb 1946, Moscow,  
pp 1-6.

CIA/FDD/U-5186

USSR  
Economic - Petroleum deposit  
CTS/DEX

8797

(FDD 18068)

The New Petroleum-Bearing Region Within the Limits  
of the Southeastern Depression of the Sunzhenskiy  
Mountain Range, by G. M. Sukharev, 12 pp.

RUSSIAN, no per, Neft Khoz, No 2, Moscow, Feb 1946,  
pp 6-13.

CIA/FDD/U-5183

USSR  
Economic -

8800

CTS/DEX

Catalysts for Obtaining Synthetic Fuels From Coal,  
by S. V. Tatanskii, K. K. Papok, E. G. Semenidov,  
8 pp.

RUSSIAN, per. Neft Khoz, Vol XXIV, No 2, 1946,  
pp 52-55.

*AT 2646*  
CIA/FDD/X-1163

Scientific - Fuels  
CTS/DEX

Available in CIA Library  
as Ohio State University  
C 27830

*8168*

(FDD 18069)

Methods of Refining Fergana Petroleum, by G. V.  
Vinogradov, P. S. Panyutin, S. N. Solodov, 21 pp.

RUSSIAN, no per, Neft Khoz, No 2, Moscow, Feb 1946,  
pp 44-52.

CIA/FDD/U-5184

USSR  
Economic - Petroleum, refining

CTS/DEX

8799

Brounshstein, B. L.  
DESALTING OF OILS CONTAINING CRYSTALLINE  
SALTS. [1961] Sp. 8 refs.  
Order from OIS or SLA \$1.10 . 61-20163

Trans. of Nefteyanoe Khozyaistvo (USSR) 1946 [v. 24]  
no. 2, p. 59-63.

DESCRIPTORS: \*Oils, Desalination, \*Salts, Sepa-  
ration, Dehydration, Petroleum.

Crystalline salt contained in Emula oils is received by  
refining and cannot be removed by any conventional  
electrical method. A laboratory study was performed  
of the conditions of formation of crystalline salts in  
crude oils, which originally contain only salt solutions,  
and this established that the crystalline salt is present  
in oils supplied to refineries, most likely as a result  
of prolonged settling after insufficiently effective  
(Engineering-Chemical, IT, v. 6, no. 12) (over)

61-20163

I. Brounshstein, B. L.

182054

Office of Technical Services

Yablonskii, V. S.  
MIXING OF OIL PRODUCTS IN SUCCESSIVE  
PUMPING THROUGH THE SAME PIPE LINE. [1961]  
[7]p. 8 refs.  
Order from OTS or SLA \$1.10                      61-20169

Trans. of Neftyanoe Khozylstvo (USSR) 1946 [v. 24]  
no. 2, p. 56-64.

DESCRIPTORS: Turbulent flow, \*Pumps, Pipes, \*Oils,  
Petroleum, \*Transportation, Fluid flow, Mathematical  
analysis, Viscosity, \*Fuel oils.

A mathematical analysis of the problems encountered  
in consecutive pumping of a series of oil products  
through a pipeline and results of experimental work on  
these problems are reported, referring both to stream-  
line and turbulent flow. A method is outlined for de-  
(Materials--Fuels, TT, v. 7, no. 7)                      (over)

61-20169

I. Yablonskii, V. S.

Office of Technical Services

(FDD 18070)

A Cross-Section of the Devonian System of the Tuymaze  
Petroleum Deposit, by V. A. Dolitskiy, M. V. Mal'tsev,  
I. Yu. Lepeshinskiy, 17 pp.

RUSSIAN, bimo per, Neft Khoz, No 3/4, Moscow,  
Mar-Apr 1946, pp 5-12,

CIA/FDD/U-5182

USSR  
Economic - Petroleum deposit  
CTS/DEX

8793

(FDD 18071)

Concerning Petroleum-bearing Possibilities of the  
Devonian System Between Moscow, and Leningrad, by  
F. A. Alekseyev, 5 pp.

RUSSIA, bimo per, Neft Khoz., No 3/4, Moscow,  
Mar/Apr 1946, pp 12-17.

CIA/FDD/U-5476

USSR  
Economic - Petroleum

CTS/DEX

10,078

Frost, A. V.  
CONTENT OF CYCLOHEXANES IN OIL AS A  
MEASURE OF THE TEMPERATURE OF FORMA-  
TION OF THE OIL. [1961] 5p. 20 refs.  
Order from OTS or SLA \$1.10 62-10813

Trans. of Neftyanoe Khozylstvo (USSR) 1946 [v. 24]  
no. 3/4, p. 36-39.

DESCRIPTORS: \*Oils, \*Cyclohexanes, Temperature.

(Materials--Fuels, TT, v. 7, no. 9)

62-10813

I. Frost, A. V.

Office of Technical Services

Obryadchikov, S. N.  
TEMPERATURE CONDITIONS OF FORMATION OF  
OIL IN NATURE. [1961] 5p. 13 refs.  
Order from OTS or SLA \$1.10

62-10814

Trans. of Neftyanoe Khozjalstvo (USSR) 1946 [v. 24]  
no. 3/4, p. 39-44.

DESCRIPTORS: \*Oils, Temperature, Aluminum com-  
pounds, Silicates, Chemical reactions, \*Gasoline.

(Materials--Fuels, TT, v. 7, no. 10)

62-10814

I. Obryadchikov, S. N.

Office of Technical Services

Doladugin, A. I., Khmel'nitskii, Yu. L., and  
Guseva, A. V.

ALKYLATION OF BENZENE ON ALUMINOSILICATE  
CATALYSTS. [1961] 10p. 37 refs.

Order from OTS or SLA \$1.10

61-20154

Trans. of Neftyanoe Khozvaistvo (USSR) 1946 [v. 24]  
no. 3/4, p. 44-53.

DESCRIPTORS: \*Benzenes, \*Propenes, Alkylation,  
\*Alumina-silica catalysts, Catalysts, Catalysis, \*Al-  
kyl radicals, Thermodynamics, Chemical reactions,  
Pressure, Clays, Ethylenes.

On the basis of thermodynamical calculations for the  
reaction of alkylation of benzene with propene and for  
polymerization of propene preliminary conclusions  
were drawn pertaining to the effect of the temperature,  
pressure and benzene-propene ratio on the extent of

(Chemistry--Organic, TT, v. 7, no. 1)

(over)

61-20154

I. Doladugin, A. I.  
II. Khmel'nitskii, Yu. L.  
III. Guseva, A. V.

Office of Technical Services

62-10815

Vinogradov, G. V. and Borodulina, L. P.  
NOMOGRAM FOR THE TEMPERATURE DEPEND-  
ENCE OF THE SPECIFIC GRAVITIES OF OIL  
PRODUCTS. [1961] 3p.  
Order from OTS or SLA \$1. 10 62-10815

I. Vinogradov, G. V.  
II. Borodulina, L. P.

[Condensed] trans. of Neftyanoe Khozyaistvo (USSR)  
1946 [v. 24] no. 3/4, p. 53-55.

DESCRIPTORS: \*Petroleum, Oils, Density, Tem-  
perature, \*Nomographs.

(Materials--Lubricants, TT, v. 7, no. 10)

Office of Technical Services

Vinogradov, V. G. and Pikel'ner, S. B.  
NOMOGRAM FOR RECALCULATION OF KINE-  
MATIC VISCOSITIES BY THE WALTER EQUATION.  
[1961] 3p.

Order from OTS or SLA \$1.10                      62-10816

[Condensed] trans. of Neft[yano]e Khoz[yaistvo]  
(USSR) 1946 [v. 24] no. 3/4, p. 55-57.

DESCRIPTORS: \*Lubrication, \*Oils, Viscosity,  
Determination, \*Nomographs, Temperature,  
Equations.

(Materials--Lubricants, TT, v. 7, no. 10)

62-10816

I. Vinogradov, V. G.  
II. Pikel'ner, S. B.

Office of Technical Services

<p>Strom, D. A. and Shestakova, N. M. REMOVAL OF HYDROGEN SULFIDE FROM GASOLINE DISTILLATES WITH DOLOMITE. [1961] 4p. Order from OTS or SLA \$1.10      61-20151</p> <p>Trans. of <u>Neftyanoe Khozyaistvo</u> (USSR) 1946 [v. 24] no. 3/4, p. 68-70.</p> <p>DESCRIPTORS: *Gasolines, Desulfurization, *Hydrogen compounds, *Sulfides, Separation, *Dolomite, Effectiveness</p> <p>Experiments established that dolomite can be used for removal of hydrogen sulfide from gasolines produced from second Baku oils. The suitability of dolomite is enhanced by its widespread distribution in Bashkiria, which is also the center of the territory where the high sulfur oils are produced. Because dolomite can be repeatedly regenerated in a simple (Materials--Fuels, TT, v. 6, no. 12) (over)</p>	<p>61-20151</p> <p>I. Strom, D. A. II. Shestakova, N. M.</p> <p>61-20151</p> <p>Office of Technical Services</p>
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(FDD 13072)

To Develop Geological Surveying Work, by M. F.  
Mirchirk, 17 pp.

RUSSIAN, no per, Neft Khoz. No 5, Moscow, May  
1946, pp 1-8.

CIA/FDD/U-5177

USSR

Ecor

8986

(FDD 18073)

Concerning the Pressure Regime of Strata of the  
Tashkalinskiy Petroleum Deposits, by G. M. Sukharev,  
22 pp.

RUSSIAN, no per, Neft Khoz, No 5, Moscow, May 1946,  
pp 8-17.

CIA/FDD/U-5176

USSR  
Economic - Petroleum deposits

9116

(FDD 18074)

Concerning Petroleum Surveying Work in the Khiva Depression, by O. S. Vyalev, A. K. Jabril'yan, D. S. Khalturin, G. S. Chikrizov, 14 pp.

RUSSIAN, no per, Neft Khoz, No 5, Moscow, May 1946, pp 18-21.

CIA/FDD/U-5477

USSR

Economic - Petroleum

10,076

CTS/DEX

Kolomatskii, D. Ya. and Deryabin, A. A.  
 CFR SUPERCHARGE TESTS (BY THE METHOD 3C)  
 OF COMMERCIAL AVIATION GASOLINES 4B-7B  
 PRODUCED BY DIFFERENT METHODS. [1961] 8p.  
 2 refs.  
 Order from OTS or SLA \$1.10                      61-20162

61-20162  
 I. Kolomatskii, D. Ya.  
 II. Deryabin, A. A.

Trans. of Neftevano: Khozvalstvo (USSR) 1946 [v. 24]  
 no. 5, p. 44-51.

DESCRIPTORS: \*Aviation fuels, Fuels, Gasoline,  
 Antiknock, Test methods, Tests, Production,  
 Classification, Superchargers.

A comparison of four aviation gasolines, three of  
 which are being produced on a commercial scale,  
 compounded from straight run gasoline and isoparaf-  
 fine or aromatics, with a reference fuel containing  
 60% straight run gasoline and 40% isooctane was  
 (Materials--Fuels, TT, v. 6, no. 12)                      (over)

Office of Technical Services

(FDD 18075)

Prospects for Exploring the Derbent Structure in  
Dagestan, by P. P. Zabarinskiy, 10 pp.

RUSSIAN, bino per. Neft Khoz, No 6/7, Moscow,  
Jun/Jul 1946, pp 1-6.

CIA/FDD/U-5178

USSR  
Economic -  
CIS/DEX

8796

Soviet Methods for Determining Anti-knock  
Properties of Aviation Fuels, by D. Ya. Kolmatskiy,  
V. R. Levin, A. A. Deryabin, 10 pp, UNCLASSIFIED

RUSSIAN, per, Neft Khim. Vol XXIV, Nos 6-7,  
1946, pp 39-43, ~~Encl~~ to IAI-333-54, AFOIN,  
19 Oct 1954. CIA D-110534.

AF 639485

21,094

USSR  
Economic - fuels  
Scientific - Fuels

Feb 55 CTS

(FDD 18076)

Diesel Fuel From Tuymazy Devonian Petroleum, by  
Z. V. Dol dshteya, 12 pp.

RUSSIAN, bino per, Neft Khoz, No 6/7, Moscow,  
Jun/Jul 1946, pp 48-51.

CIA/FDD/U-5478

USSR  
Economic - Fuel

CTS/DEX

10,083

(FDD 18077)

Effect of Working the Groznyy Petroleum Deposits  
on Natural Sources, by N. G. Lindtrop, 21 pp.

~~RRR~~

RUSSIAN, no per. Neft Khoz, No 8, Moscow, Aug 1946,  
pp 36-44.

CIA/FDD/U-5179

USSR

Economic - Petroleum deposits

CTS/DEX

8795

(FDD 18078)

The VM-41-2 Drilling Derrick, by K. G. Osipov, 5 pp.

RUSSIAN, bimc per, Neft Khoz, No 9/10, Sep/Oct 1946,  
Moscow, pp 27-29.

CIA/FDD/U-5180

USSR  
Economic -  
CTS/DEX

8794

(FDD 18079)

Geological Interpretation of Geophysical Maps of the  
Ishimbay Area of the Urals, by P. Ye. Offman,  
12 pp.

RUSSIAN, bi to per, Neft Khoz. No 9/10, Moscow, Sep/Oct  
1946, pp 30-36.

CIA/FDD/U-5181

USSR

Sci - Geophysics

8817

(FDD 18080)

Concerning the Origin of Tynazy Petroleum, by  
M. V. Mel'tsev, 19 pp.

RUSSIAN, no pag., Neft Khoz., No 11, Moscow, Nov  
1946, pp 26-33.

CIA/FDD/U-5175

USSR

Ecor

8987

Obryadchikov, S. N., and Marushkhin.  
HET ONDERZOEK VAN EEN PROCES MET IN BEWEGING ZIJNDE KATALYSATOR (Investigation of the Fluid Catalyst Process). 2lp. 13. refs. MTWL: 17 (text in Dutch).  
Order from OTS or ETC \$1.85 61-17690

Trans. of Neftyanoe Khozyaistvo (USSR) 1946, v. 24, no. 11, p. 36-45.

DESCRIPTORS: Fluids, Catalysts, \*Mineral oils, Processing.

61-17690

- I. Obryadchikov, S. N.
- II. Marushkhin.
- III. MTWL-17
- IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Shatsov, N. I.  
DETERMINATION OF THE POWER REQUIRED FOR  
DRILLING. 28p. MTWL: 392.  
Order from OTS or ETC \$2.41

61-32011

Trans. of Neftyanoe Khozayaistvo (USSR) 1947, v. 25,  
no. 2, p. 6-15.

DESCRIPTORS: \*Drilling machines, \*Power, Deter-  
mination, Measurements.

61-32011

- I. Shatsov, N. I.
- II. MTWL-392
- III. Stichting Moelijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

**GORVACHEV, K.A.**

**Neft. Khozyaistvo, vol 25, 1947, No 1, pp 15-18**

**On the Performance of Gunk Rock Bits in the Soviet Union  
During the Past Seven Years**

**Brutcher Trans 2578, \$4.80**

Method for Increasing Drilling Speeds,  
by K. N. Shchepotiev, 15 pp.  
RUSSIAN, per, Neftyanoe Khozyaistvo,  
Vol. 25, no. 1, 1947, pp. 19-25.  
ETC-69-35636

Sci/meth & equip  
Feb 70

402,539

Krems, A. Ya.  
NOTES ON THE GENESIS OF OIL AND THE CONDI-  
TIONS OF FORMATION OF OIL ACCUMULATIONS(+).  
24p. 14 refs. MTWL: 160.  
Order from OTS or ETC \$1.93

61-17862

Trans. of Neftyanoe Khozyaistvo, (USSR) 1947, no. 1,  
p. 33-42.

DESCRIPTORS: \*Mineral oils, Sources, Theory.

61-17862

- I. Krem's, A. Ya.
- II. MTWL-160
- III. Stichting Moelijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Petroleum Products Supply to Moscow, by A.G.  
Nekrasov, 7 pp.

RUSSIAN, per, Neft Khoz, No 1, 1947, pp 57-61.

AF 604935

USSR  
Economic

CIA 2211414  
Feb 54 CTS

4499

Methods of Efficient Use of Fixed Investments in  
Industry During the Postwar Five-Year Period, by  
F. F. Dunayev, 4 pp

RUSSIAN, per, Neft Khoz, No <sup>3</sup>/<sub>5</sub>, 1947, pp 10-17,

Encl to Rpt ~~xxxx~~ 1A1-8-54  
AF 608325

USSR  
Economic - Petroleum  
CIA 2313320

10,873

Lapuk, B. B.  
PRESSURE DISTRIBUTION IN GAS DEPOSITS. 21p.  
4 refs. MTWL: 241.  
Order from OTS or ETC \$1.85

61-17901

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,  
no. 4, p. 26-32.

DESCRIPTORS: \*Gases, \*Deposits, Pressure,  
Theory.

61-17901

- I. Lapuk, B. B.
- II. MTWL-241
- III. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Accuracy of the Ring Method of Analysis, by S. N. Obryad-  
chikov.

Full translation.

RUSSIAN, mo per, Neft Khoz, Vol XXV, No 4, 1947, pp 51-  
67.

AEC Tr 1176

Sci - Chem

AT 62  
Apr 52 CTS

Experience in Using Furnace Pipes for Refining  
Second Baku Crudes, by M.A. Mursaliov,  
A.I. Istomin, 4 pp.

RUSSIAN, per, Neft. Khaz. No 5, 1947, pp 38-42,  
Encl to Rpt No R-383-53.

AF 604933

USSR  
Economic-Petroleum,

CIA 2210925  
Feb 54 CTB

9501

NEFTYANOYE KHOZYAYSTVO Vol 25, No 6

Jun 1947

"The Significance of Fluorine Compounds as Catalyzers  
in the Alkylation Reaction"

Prof A. V. Topchiyev, Ya. M. Paushkin

Done by AMC  
F-TS-6933-RE  
NAD-47675  
copy in FDD

OTS-61-17909

9T85

Kuznetsov, L. A., Mailyuk, E. E., and others.  
PRESENT CONDITION OF GAS SURVEYING AND THE  
PROSPECTS FOR ITS DEVELOPMENT. RESULTS OF  
THE SECOND SCIENTIFIC TECHNICAL CONFERENCE.  
10p. 7 refs. MTWL: 172.  
Order from OTS or ETC \$1.55 61-17838

Trans. of Neftyanoe Khozylstvo (USSR) 1947, no. 7,  
p. 8-12.

DESCRIPTORS: \*Gases, \*Geochemistry, Chemical  
analysis.

61-17838

- I. Kuznetsov, L. A.
- II. Mailyuk, E. E.
- III. MTWL-172
- IV. Stichting Moelijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

A Complex Study of the Causes of Seasonal Variation  
of Data in Soil-Gas Surveys, by M. I. Subbota.

RUSSIAN, per, ~~Naftyanos~~ Naftyanos, Vol. XIV, No 7,  
1947, USSR, pp 13-17.

ATS RJ-1376  
Assoc Tech Sv 33E2R

Sci - Biol

1st copy \$22.20  
Addit. copies 2.10

AUG 54 20,087

Prevention of Fires Due to Pyrophoric Products, of  
Hydrogen Sulfide Corrosion, by I. I. Shelomentsev,  
4 pp.

RUSSIAN, per. Neft Khoz., No 7, 1947, pp 51-53.

CIA/FDD/X-1326

Scientific - Fuels  
Deck

14,086

Fedorov, V. S.  
CRITICAL WEIGHT ON ROCK BITS. 12p. 6 refs.  
MTWL: 395.  
Order from OTS or ETC \$1.85                      61-32014

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,  
no. 8, p. 16-20.

DESCRIPTORS: Rock, \*Drilling machines, Resistance,  
Penetration, Boreholes.

61-32014

- I. Fedorov, V. S.
- II. MTWL-395
- III. Stichting Moelijk  
Toegankelijke Wetenschap-  
peiljke Literatuur

Office of Technical Services

Chernozhunov, N. I.  
INVESTIGATION OF THE OXIDIZABILITY OF MINERAL OILS. 15p. 7 refs. MTWL: 194.  
Order from OTS or ETC \$1.85 61-17818

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, no. 8, p. 45-50.

DESCRIPTORS: \*Mineral Oils, \*Oxidation, Lubrication.

61-17818

- I. Chernozhunov, N. I.
- II. MTWL-194
- III. Stichting Moellijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Kozlov, N. S.  
BOILING POINT OF THE AROMATIC HYDROCARBONS  
15p, 17 refs. MTWL: 287.  
Order from OTS or ETC \$1.85                      61-17977

Trans. of Neftyanoe Khozayaistvo (USSR) 1947, v. 22,  
no. 9, p. 40-46.

DESCRIPTORS: Hydrocarbons, \*Boiling, \*Temperature,  
Molecular structure, \*Benzenes, Alkylradicals.

61-17977

- I. Kozlov, N. S.
- II. MTWL-287
- III. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Chernozhunov, N. I.  
INVESTIGATION OF THE OXIDIZABILITY OF MINERAL OILS. 15p. 7 refs. MTWL: 194.  
Order from OTS or ETC \$1.85 61-17818

Trans. of Neftyanoe Khozylstvo (USSR) 1947, no.8,  
p. 45-50.

DESCRIPTORS: \*Mineral Oils, \*Oxidation, Lubrication.

61-17818

I. Chernozhunov, N. I.  
II. MTWL-194  
III. Stichting Moeilijk  
Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Golyakov, P. A.  
INFLUENCE OF THE DIAMETER OF THE WELLS ON  
THE RATE OF PENETRATION. 10p. MTWL: 394.  
Order from OTS or ETC \$1.55 61-32013

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,  
no. 10, p. 24-28.

DESCRIPTORS: Boreholes, \*Drilling machines,  
Resistance, Penetration.

61-32013

I. Golyakov, P. A.  
II. MTWL-394  
III. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Compounds of Fluorine in Polymerization (Synthesis of Lubricating Oils, Low-Molecular Weight and High-Molecular Weight Hydrocarbons), by A. V. Topchiyev, Ya. M. Paushkin, 23 pp.

RUSSIAN, per, Neft Khoz, Vol XXV, No 10, 1947, pp 36-45.

SLA/ATS  
Sci Trans Center  
RT-2644

Scientific - Chemistry; *Frels* 29, 215  
CIS 75/Dec 55

Viscosity Properties of Petroleum Fluids in  
Relation to Their Chemical Composition, by  
V. V. Panov, 14 pp.

RUSSIAN, no per, Neft Khoz, Vol XXV, No 10, 1947,  
pp 45-50.

Sci Tr Center RT-2645

Scientific - Chemistry; Fuels  
Dec 55 CTS/DEX

28,483

Karapet'yants, M. Kh.  
OVER HET VERBAND TUSSEN DE VERDAMPINGS-  
WARMTE EN DE TEMPERATUUR VAN BELANGRIJKE  
HOMOLOGE REEKSEN VAN KOOLWATERSTOFFEN  
(Effect of Temperature on the Heats of Vaporization  
of the Principal Homologous Series of Hydrocarbons)  
15p, 18 refs. MTWL: 24, (text in Dutch).  
Order from OTS or ETC \$1.85

61-17689

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,  
no. 10, p. 50-56.

DESCRIPTORS: \*Hydrocarbons, \*Vaporization, Heat,  
Temperature.

61-17689

- I. Karapet'yants, M. Kh.
- II. MTWL-24
- III. Stichting Moelijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

Pronyakov, I. T. and Kharchenko, B. S.  
TOEPASSING VAN FLANK-FLOODING IN HET  
TASHKAL-GEBIED (Application of Flank-flooding in  
the Tashkal-territory). 18p. 4 refs. MTWL: 57.  
(text in Dutch).  
Order from OTS or ETC \$1.85 61-17655

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,  
no. 11, p. 18-28.

DESCRIPTORS: \*Mineral oils, Production, \*Fluid  
flow, Pressure.

61-17655

I. Pronyakov, I. T.  
II. Kharchenko, B. S.  
III. MTWL-57  
IV. Stichting Moellijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Krein, S. E. and Tarmanyan, G. S.  
OVER HET WERKINGSMECHANISME VAN ANTI-  
CORROSIEDOPES (The Mechanism of Action of Anti-  
corrosive Addition Agents). 13p. 8 refs. MTWL: 13.  
(text in Dutch).  
Order from OTS or ETC \$1.85

61-17697

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,  
no. 11, p. 45-50.

DESCRIPTORS: \*Lubrication, \*Oils, Corrosioninhibi-  
tion, Additives.

61-17697

- I. Krein, S. E.
- II. Tarmanyan, G. S.
- III. MTWL-13
- IV. Stichting Moelijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Oborin, V. I.  
ELEMENTAIRE STRUCTUUR VAN ALUMINIUM  
OXYDE KATALYSATOREN (Elementary Structure of  
Alumina Catalysts). 11p. 16 refs. MTWL: 8. (text  
in Dutch).  
Order from OTS or ETC \$1.55                      61-17707

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,  
no. 11, p. 50-54.

DESCRIPTORS: \*Aluminium compounds, Oxides,  
\*Catalysts, Structures, Silicates.

61-17707

I. Oborin, V. I.  
II. MTWL-8  
III. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Areshidze, Kh. I. and Benashvili, E. M.  
DE QUANTITATIEVE BEPALING VAN ZESRING- EN  
VIJFRING- NAPHTENEN IN BENZINE-LIGROÏNE-  
FRACTIES VAN NORIO-OLIE (Determination of  
Six-membered and Five-membered Naphtenes in  
Gasoline-ligroin Fractions of Norio Crude Oil) 9p.  
22 refs. MTWL: 12. (text in Dutch).  
Order from OTS or ETC \$1.55 61-17696

Trans. of Neftyanoe Khozyaistvo (USSR) 1947, v. 25,  
no. 11, p. 54-56.

DESCRIPTORS: \*Mineral oils, \*Naphtalenes,  
Monocyclic compounds, Catalysts, Chemical reactions

61-17696

- I. Areshidze, Kh. I.
- II. Benashvili, E. M.
- III. MTWL-12
- IV. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Hydraulic Transport of Petroleum Products  
Through Pipes, by V. I. Chernikin,

RUSSIAN, per, ~~Neftyanoe Khoz~~, Vol XXIV, No 11,  
1947, pp 57-59.

ATB RJ-2209  
ATS-96M37R

Sci - Chem Eng

May 60

115,465

Melik-Pashaev, V. S.  
THE PROBLEM OF APPLICATION OF SECONDARY  
RECOVERY METHODS AT AZNEFT. [1963] [13p]  
1ref  
Order from OTS, SLA, or ETC \$1.60 TT-63-20796

Trans. of Neftyanoe Khozvalstvo (USSR) 1947, v. 25,  
no. 12, p. 8-15. (Abstract available)

DESCRIPTORS: Petroleum, Recovery, Water  
injection, Air, Pressure,

In a discussion of the air-repressuring and water-  
flooding methods tried out, it is stated that in one of the  
cases the oxygen content of the injected air was almost  
completely absorbed by the oil in the strata. Displace-  
ment of oil from a producing stratum by alkaline water  
is 13% greater than by hard water, e.g., sea water.  
The latter should be used only for flooding strata which  
contain hard water, to avoid plugging of the pores by  
precipitation upon mixing the different waters. (Author)

TT-63-20796

I. Melik-Pashaev, V. S.

(Earth Sciences--Geology,  
TT, v. 11, no. 4)  
Office of Technical Services

Fedorov, V. S. and Zenkov, F. D.  
USE OF ROCK ROLLER BITS OF VARIOUS TYPES.  
19p. MTWL: 271.  
Order from OTS or ETC \$1.85

61-17986

Trans. of Neftyanoe Khozyaistvo (USSR) 1948, v. 26,  
no. 1, p. 9-17.

DESCRIPTORS: \*Rock, \*Drills, Cutting tools, Teeth.

61-17986

- I. Fedorov, V. S.
- II. Zenkov, F. D.
- III. MTWL-271
- IV. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Shchelkachev, V. N.  
ANALYSIS OF THE PARAMETERS OF SIMILARITY  
OF FLOW. 11p. 7 refs. MTWL: 301.  
Order from OTS or ETC \$1.55

61-17955

Trans. of Neftyanoe Khozyaistvo (USSR) 1948, v. 26,  
no. 1, p. 24-29.

DESCRIPTORS: \*Fluid flow, \*Reijnold number,  
Analog systems.

61-17955

- I. Shchelkachev, V. N.
- II. MTWL-301
- III. Stichting Moelijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Kuliev, S. M.  
GRAVEL SCREENS. 13p. 7 refs. MTWL: 162.  
Order from OTS or ETC \$1.85 61-17848

Trans. of Neftyanoe Khozayaistvo (USSR) 1948, no. 2,  
p. 24.

DESCRIPTORS: Mineral oil, Production, \*Boreholes,  
\*Fluid flow, Sand, Porous materials, Theory, Oil  
filter.

61-17848

I. Kuliev, S. M.  
II. MTWL-162  
III. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Metallic Two-Layer Reservoirs for Petroleum,  
Petroleum Products and Gas, by V. I. Chernikin, 6pp.

RUSSIAN, per. Neft Khoz, No 2, 1948.

Sci Trans Center RT-237

also X-1244  
Done by RDB also

9838

Scientific - Fuels, engineering

Feb 54 CTS

~~Done~~

Excerpts on Soviet Petroleum Problems and  
Statistics for the 1946 - 1950 Plan - Period,  
5 pp.

RUSSIAN, per, Neft Khoz, 1948, Encl to Rpt  
No 1A1-101-54, AFOIN. No 1, 4, 9, 10, 11,  
pp 1-4, 41-42, 1-5, 1-7, 1-4.

AF 609400

11,471

USSR

Economic - Five-year plan, petroleum industry

OWS/DEX

CIA 2507925

Lashchenov, V. D.  
CORRELATION OF THE PRODUCING HORIZONS OF  
THE OIL DEPOSITS OF THE ILSKO-KHOLM REGION  
ACCORDING TO THE PROPERTIES OF THE OIL. 7p.  
MTWL: 233.

Order from OTS or ETC \$1.55

61-17907

Trans. of Neftyanoe Khozyaistvo (USSR) 1948, v. 26,  
no. 3, p. 46-48.

DESCRIPTORS: \*Mineral oils, Chemical analysis,  
Deposits, \*Density.

61-17907

- I. Lashchenov, V. D.
- II. MTWL-233
- III. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

Puchkov, N. G.  
DE EIGENSCHAPPEN BIJ LAGE TEMPERATUUR VAN  
OLIEN MET VISCOSITEITDOPE (Low-temperature  
Properties of Oils which Contain Viscosity-improving  
Addition Agents) 16p. 8 refs. MTWL: 10. (text in  
Dutch).  
Order from OTS or ETC \$1.85 61-17709

Trans. of Neftyanoe Khozyaistvo (USSR) 1948, v. 26,  
no. 3, p. 49-57.

DESCRIPTORS: \*Lubrication, \*Oils, Low temperature  
research, Viscosity, Additives.

61-17709

- I. Puchkov, N. G.
- II. MTWL-10
- III. Stichting Moelijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

Office of Technical Services

The Boiling Temperatures of Olefins, by I. S.  
Kozlov,

RUSSIAN, per, Neft ~~NI~~ Khoz, Vol XXVI, No 4,  
1948, pp 47-51.

Res Info Sv R.521

Sci - Chemistry

Jan 1956/CTS No 77

30,533

53 Nassau St., New York 5, N.Y.

Vinogradov, G. V.  
SYNTHETIC OILS AND GREASES (A SURVEY). [1963]  
[12p] 19refs  
Order from OTS, SLA, or ETC \$1.60 TT-63-20802

Trans. of Neftyanoe Khozyaistvo (USSR) 1948, v. 26,  
no. 5, p. 43-49. (Abstract available)

DESCRIPTORS: \*Lubricants, Greases, Synthesis  
(Chemistry), Hydrocarbons, Fluorocarbons, Silicones,  
Esters, Chemical properties, Chemical bonds,  
Viscosity, Lubrication,

A review of the chemical constitution and properties of  
highly fluorinated hydrocarbons, polysiloxanes, and  
di-esters in connection with their use as lubricants and  
greases is presented. (Author)

(Materials--Lubricants, TT, v. 11, no. 4)

TT-63-20802

I. Vinogradov, G. V.

Office of Technical Services